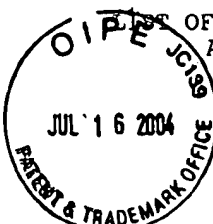


FORM PTO-1449	Atty. Docket No.: A53.12-0006	Appl. No.: 10/629,391
 OFFICE OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Bruce F. Field	
	Filing Date	Group Art:
	July 29, 2003	3618

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
BA	AA	3,566,717	3/2/71	B. Berman et al.	74	859
BA	AB	534,116	2/12/1895	J. S. Lyons		
BA	AC	4,735,114	4/5/88	Satoh et al.	74	866

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		Document No.	Date	Country	Class	Sub Class	Translation Yes No
BA	AD	JP 58-160661	9/24/1983	Japan			X
	AE	JP 62-110535	5/21/1987	Japan			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AF	Gumbleton, et al., "Special Purpose Urban Cars", originally presented as Paper 690461 at the Mid-Year Meeting of the SAE in May, 1969, pp.193-221					
	AG	G.H. Gelb and C. Wang, "Hybrid Vehicle Study Program Six-month Progress Report", TRW Systems, Jan. 1, 1968- June 30, 1968. pp. 1-103.					
	AH	Neal A. Richardson, G. H. Gelb, T.C. Wang and Joseph A. Licari, "System Design Implications of Electric and Hybrid Vehicles", Intersociety Energy Conversion and Engineering Conference, Aug. 1968, pp. 789-796.					
	AI	G.H. Gelb, Neal A. Richardson, T.C. Wang and Robert S. DeWolf, "Design and Performance Characteristics of a Hybrid Vehicle Power Train", Society of Automotive Engineers, Jan. 13-17, 1969, pp. T0096249-T0096259.					
	AJ	G.H. Gelb, N.A. Richardson, T.C. Wang and B. Berman, "An Electromechanical Transmission for Hybrid Vehicle Power Trains-Design and Dynamometer Testing", Society of Automotive Engineers, Jan. 11-15, 1971, pp. T009590-T0095994.					
	AK	Prepared for the Office of Air Programs Environment'l Protection Agency under Contract No. EHS 71-002 by TRW Systems Group One Space Park, Redondo Beach, CA 90278, "Analysis and Advanced Design Study of an Electromechanical Transmission", TRW Systems Group, April 1971, Booklet.					
	AL	G.H. Gelb, B. Berman and E. Koutsoukos, "Cost and Emission Studies of a Heat Engine/Battery Hybrid Family Car", TRW System Group, April 1972, pp. 1-254.					
↓	AM	G.H. Gelb, B. Berman, R.S. Lipkis and T.C. Wang, "Performance Analyses of Heat Engine-Battery Hybrid Vehicles", 7 th Intersociety Energy Conversion Engineering Conference, Sept. 25-29, 1972, pp. 977-988.					
BA	AN	B. Berman, "Design Considerations Pertaining to a Battery Powered Regenerative System", IEEE Conference Record of IGA 1971 Sixth Annual Meeting of the IEEE Industry and General Applications Grp, Oct. 18-21, 1971, pp. 341-346.					

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
BA	AA	1,515,322	11/11/1924	C.E.F Ahlm		
J	AB	1,780,150	11/4/1930	C.E.F. Ahlm		
V	AC	913,846	3/2/1909	H. Pieper		
BA	AD	4,723,105	2/2/88	Matouka et al.	320	17

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
BA	AE	2 419 832	10/12/79	France		X
	AF	3-124201	5/27/91	Japan		X

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	AG	B. Berman, "All Solid State Method for Implementing A Traction Drive Control", IEEE Conference Record of IGA 1971 Sixth Annual Meeting of the IEEE Industry and General Applications Group Oct. 18-21, 1971, pp. 401-410
	AH	General Motors Engineering Staff and G.H. Gelb, "TRW's Hybrid Vehicle Concept The Electromechanical Transmission- An Evaluation Report", General Motors Technical Center, Nov. 23, 1973, pp. 1-73.
	AI	Video of TRW vehicle in operation.
	AJ	L.E. Unnewehr et al., "Electric Vehicle Technology", John Wiley & Sons, 1982, pp.1-256.
	AK	Robert J. Traister, "All About electric & Hybrid Cars", Tab Books Inc., 1982, pp.1-301.
	AL	General Electric Company, "Near-Term Hybrid Vehicle Program", General Electric, Oct. 8, 1979, pp.1-1 to 9-7.
	AM	S. Honda, C. Hoshino, S. Kawakatsu & M. Iida, "Daihatsu Engine-Electric Hybrid 1.5 Ton Truck", The Fifth International Electric Vehicle Symposium, Oct. 1978, pp. 1-12.
	AN	L. Chang, "Recent Developments of Electric Vehicles and Their Propulsion Systems", IEEE Aerospace and Electronics Systems Magazine, Dec. 1993, pp. 3-6.
V	AO	P. C. Sen, "Electric Motor Drives and Control-Past, Present and Future", IEEE Transactions on Industrial Electronics, Dec. 1990, Vol. 37, No. 6 pp. 562-75.
BA	AP	P. Pillay and P. Freere, "Literature Survey of Permanent Magnet AC Motors and Drives", IEEE IAS Rec., 1989, pp. 74-84.

EXAMINER: B. Arany

DATE CONSIDERED:

2/22/05

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	AB					
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	AH					

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BA	AI	V.R. Stefanovic and S. Vukosavic, "SRM Inverter Topologies: A Comparative Evaluation", IEEE Transactions on Industry Applications, Nov./Dec. 1991, Vol. 27, pp. 1034-1047.
	AJ	H. Holtz, "Pulsewidth Modulation-A Survey", IEEE Transactions on Industrial Electronics, 1992, Vol. 39, Issue 5, pp. 410-420.
	AK	J. Baum et al., "Semiconductor Technologies for Electric Vehicles", International Congress on Transportation Electronics, Nov. 18, 1992, pp.203-210.
	AL	P. Chen, "Automotive Electronics in the Year 2000-A Ford Motor Company Perspective", Chassis & Powertrain Electronics Engineering Ford Motor Company of Australia, May 15, 1992, pp. 1-8.
	AM	G. Brusaglino, "Electric Vehicle Development in Fiat", The Engineering Society For Advancing Mobility Land, Sea, Air and Space, Feb. 25-March 1, 1991, pp. 27-52.
	AN	W.M. Anderson and C.S. Cambier, "Integrated Electric Vehicle Drive", The Engineering Society For Advancing Mobility Land, Sea, Air and Space, Feb. 25-March 1, 1991, pp. 63-68.
↓	AO	A. Kalberiah, "Electric Hybrid Drive Systems for Passenger Cars and Taxis", The Engineering Society For Advancing Mobility Land, Sea, Air and Space, Feb. 25-March 1, 1991, pp. 69-78.
BA	AP	A. F. Burke, "Battery Availability for Near Term Electric Vehicles", The Engineering Society For Advancing Mobility Land, Sea, Air and Space, Sept. 16-19, 1991 pp. 17-30.

EXAMINER:

B. Arany

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2/24/05

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Sheet 1 of 1

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FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AL						
AM						
AN						
AO						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

PA	AP	A publicly disclosed vehicle substantially similar to that disclosed in U.S. Patent No. 5,081,365
	AQ	
	AR	

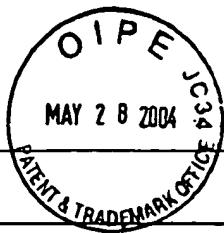
EXAMINER:

B. Avery

DATE CONSIDERED:

2/22/05

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U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
BA	AA	3,732,751	03/02/1971	Berman et al.	74	675
BA	AB	4,646,896	03/03/1987	Hammond et al.	477	176
	AC					
	AD					
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FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
BA	AL	51-103220	08/18/1976	Japan		(Full)
	AM					
	AN					
	AO					

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BA	AP	1. Unnewehr et al., <u>Electric Vehicle Technology</u> , pp. vii-x and 1-255, John Wiley & Sons (1982)
BA	AQ	J. Gumbleton et al., <u>Special Purpose Urban Cars</u> , 690461 Soc: Automotive Eng., pp. 1-30 (May 19-23, 1969)
	AR	

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BA	AA 4,042,056	8/16/77	Horwinski	180	65A	
	AB 4,774,811	10/04/88	Kawamura	60	608	
	AC 3,719,881	3/6/73	Shibata et al.	320	62	
	AD 3,874,472	4/1/75	Deane	180	65R	
	AE 3,888,325	6/10/75	Reinbeck	180	65A	
	AF 3,904,883	9/9/75	Horwinski	290	50	
	AG 3,917,017	11/4/75	Deane	180	65R	
	AH 4,180,138	12/25/79	Shea	180	65A	
	AI 4,187,436	2/5/80	Etienne	290	27	
BA	AJ 4,305,254	12/15/81	Kawakatsu et al.	60	719	
BA	AK 4,306,156	12/15/81	Monaco et al.	290	17	

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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
BA	AL 51-103220	08-18-76	Japan			X
	AM 53-55105	05-11-78	Japan			X
	AN 2-7702	01-18-90	Japan			X
	AO 4-67703	03-03-92	Japan			X

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	AP	William Hamilton, Electric and Hybrid Vehicles: Technical, 7/21/89
	AQ	Len Frank & Dan McCosh, Electric Vehicles Only, 5/91, pages 76-110, Mag. Popular Science
BA	AR	Jana Brenning, Diesel-Electric VW, 12/90, page 30, Mag. Popular Science

EXAMINER:

B. Frey

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PA	AA 4,923,025	5/8/90	Ellers	180	65.2	
	AB 5,081,365	1/14/92	Field et al.	290	45	
	AC 5,212,431	5/18/93	Origuchi et al.	318	139	
	AD 5,327,987	7/12/94	Abdelmalek	180	65.2	
	AE 5,346,031	9/13/94	Gardner	180	179	
	AF 5,492,189	2/20/96	Kriegler et al.	180	65.2	
↓	AG 5,495,906	3/5/96	Furutani	180	65.2	
PA	AH 6,044,922	4/4/00	Field	180	65.2	
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	AJ					
	AK					

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PA	AL 55-110328	08/02/80	Japan			X
	AM 48-64626	09/06/73	Japan			X
	AN 49-29642	08/06/74	Japan			X
↓	AO 0136055A1	08/21/84	EPO			X
PA	AP 62-184926	08/13/87	Japan			X

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BA	AA 6,481,516	11/02	Field et al.	180	65.2	
BA	AB 6,450,283	9/02	Michael B. Taggett	180	304	
BA	AC 4,753,078	6/88	Gardner, Jr.	60	668	
BA	AD 5,341,644	8/94	Bill Nelson	60	627	
BA	AE 4,825,656	5/89	Elmer W. Gardner Jr.	60	668	
	AF					
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		Document No.	Date	Country	Class	Sub Class	Translation Yes No
BA	AL	PCT/SEA81/00280	9/29/80	Published PCT appln	B60L 11/12	A1	Yes
BA	AM	2,517,110	4/18/75	Germany	180	316	No
BA	AN	05-038956	2/19/93	Japan			Yes
BA	AO	64-012947	1/17/89	Japan			Yes

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